

Please type a sign (+) inside this box

+

PTO/SB/05 (08-00)

Approved for use through 10/31/2002 OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

PF112P3D1C1

First Inventor

HU et al.

Title

**Vascular Endothelial Growth
Factor 2**

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ **Fee Transmittal Form** (e.g., PTO/SB/17) (in dupl.)
(Submit an original, and a duplicate for fee processing)
2. ☐ **Applicant claims small entity status.**
See 37 CFR 1.27.
3. ☒ **Specification** [Total Pages **166**]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Sequence Listing
- Claim(s)
- Abstract of the Disclosure
4. ☒ **Drawing(s)** (35 U.S.C. 113) (Informals)
29 Figures - [Total Sheets **44**]
[Total Pages **4**]
5. ☒ **Oath or Declaration**
a. ☐ Executed (original or copy)
b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in
the prior application, see 37 CFR 1.163(d)(2) and 1.33(b).
6. ☐ **Application Data Sheet.** See 37 CFR 1.76.

ADDRESS TO:

Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer
Program (Appendix)
8. ☒ **Nucleotide and/or Amino Acid Sequence Submission**
(if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. ☒ Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☒ paper (24 pp.)
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ **Assignment Recordation Papers** (from parent application)
(6 pp.)
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/ Form PTO/SB/08
Copies of Citations
13. ☒ **Preliminary Amendment & Version With Markings**
Showing Changes Made
14. ☒ **Return Receipt Postcard** (MPEP 503)
(should be specifically marked)
15. ☐ **Certified copy of Priority Document(s)**
(if foreign priority is claimed)
16. ☒ **Other:** (a) Statement Under 37 C.F.R. § 1.821(e); (b) Copy of
Petition for Extension of Time (from parent application);
and (c) Copy of Associate Power of Attorney (from
parent application)

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No: 09/438,538
Prior application information: Examiner: Group/Art Unit:

For CONTINUATION OR DIVISIONAL APTS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of
the accompanying continuation or divisional application and is hereby incorporated by reference**18. CORRESPONDENCE ADDRESS**☒ **Customer Number or Bar Code Label****22195**or ☐ Correspondence address below

NAME

ADDRESS

CITY

STATE

ZIP CODE

COUNTRY

TELEPHONE

FAX

NAME (Print/Type)

Michael M. Wales

Registration No. (Attorney/Agent)

43-975

SIGNATURE

Michael M. Wales

Date

09/24/01

This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this
form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant
for Patents, Box Patent Application, Washington, DC 20231.10872 U.S. PTO
09/24/01
09/24/01

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information if it does not display a valid OMB control number.

Patent fees are subject to annual revision.

Complete if Known

Application Number	To be assigned
Filing Date	August 24, 2001
First Named Inventor	HU et al.
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket Number	PF112P3D1C1

Equal amount of payment

\$ 2,438.00

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to.

Deposit Account Number **08-3425**

Deposit Account Name **Human Genome Sciences, Inc.**

- ☒ Charge Any Additional Fee Required
Under 37 CFR §§ 1.16 and 1.17
- ☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☐ **Payment Enclosed:**

☐ Check ☐ Credit Card ☐ Money Order ☐ Other*

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	201	355	Utility filing fee	710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Renewal filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1)	\$ 710.00
---------------------	------------------

EXTRA CLAIM FEES

			Extra Claims	Fee from below	Fee Paid
Total Claims	76	-20'	56	\$18.00	1,008.00
Independent Claims	12	-3'	9	\$80.00	720.00
Multiple Dependent				\$270.00	0.00

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
108	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)	\$ 1,728.00
---------------------	--------------------

^{**} or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive -unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	481	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify):					
Other fee (specify):					
Other fee (specify):					
SUBTOTAL (3)					\$ 0.00

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)	\$ 0.00
---------------------	----------------

Submitted By

Complete (if applicable)

Name (Print/Type), Michele M. Wales

Registration No.: 43.975

Telephone	301-610-5772
-----------	--------------

Signature _____

Date: AUG 24, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: HU et al.

Application Serial No.: to be assigned

Art Unit: to be assigned

Filed: Concurrently herewith

Examiner: to be assigned

For: Vascular Endothelial Growth Factor 2

Atty Docket No.: PF112P3D1C1

REQUEST UNDER 37 C.F.R. § 1.821(e)

Commissioner For Patents
Washington, D.C. 20231

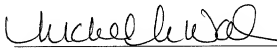
Sir:

The above-identified patent application is a continuation of application Serial No. 09/438,538 filed November 12, 1999. The sequence listing of the instant application is identical to the sequence content of the computer readable sequence listing filed in connection with application Serial No. 09/438,538, on November 12, 1999.

In accordance with 37 C.F.R. § 1.821(e), please use the computer readable form filed on November 12, 1999, in connection with application Serial No. 09/438,538, as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant application. A paper copy of the Sequence Listing is included in the specification of the instant application filed herewith. Applicants hereby certify that the paper copy of the Sequence Listing filed herewith and the computer readable sequence listing filed on November 12, 1999 in connection with application Serial No. 09/438,538, are the same and do not include new matter.

Respectfully submitted,

Dated: Aug 24, 2001



Michele M. Wales (Reg. No. 43,975)
Attorney for Applicants

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, Maryland 20850
Telephone: 301-610-5772

Enclosure
MMW/RL/lcc

09/438,538-000001